

1. Frequency stability

1.1 Test Result

Test Band: 2 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NT	LV	6.0000	2.0000	-10.0000	0.0033	0.0013	-0.0057	2.50	PASS
		NV	6.0000	1.0000	-10.0000	0.0032	0.0009	-0.0054	2.50	PASS
		HV	5.0000	-3.0000	-8.0000	0.0031	-0.0017	-0.0047	2.50	PASS
HSDPA	NT	LV	5.0000	-1.0000	-13.0000	0.0031	-0.0007	-0.0069	2.50	PASS
		NV	5.0000	1.0000	-10.0000	0.0027	0.0007	-0.0056	2.50	PASS
		HV	4.0000	1.0000	-7.0000	0.0025	0.0010	-0.0041	2.50	PASS
RMC	NT	LV	2.0000	-1.0000	-6.0000	0.0014	-0.0010	-0.0036	2.50	PASS
		NV	2.0000	-1.0000	-6.0000	0.0014	-0.0010	-0.0035	2.50	PASS
		HV	2.0000	-1.0000	-6.0000	0.0014	-0.0008	-0.0033	2.50	PASS

Test Band: 2 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NV	-30.00	5.0000	-2.0000	-8.0000	0.0027	-0.0011	-0.0047	2.50	PASS
		-20.00	3.0000	2.0000	-9.0000	0.0017	0.0014	-0.0047	2.50	PASS
		-10.00	5.0000	-2.0000	-12.0000	0.0030	-0.0012	-0.0064	2.50	PASS
		0.00	3.0000	1.0000	-6.0000	0.0019	0.0010	-0.0036	2.50	PASS
		10.00	5.0000	1.0000	-9.0000	0.0031	0.0009	-0.0048	2.50	PASS
		20.00	5.0000	1.0000	-9.0000	0.0030	0.0008	-0.0048	2.50	PASS
		30.00	5.0000	0.0000	-9.0000	0.0029	0.0001	-0.0048	2.50	PASS
		40.00	6.0000	3.0000	-9.0000	0.0034	0.0017	-0.0048	2.50	PASS
HSDPA	NV	50.00	5.0000	1.0000	-8.0000	0.0027	0.0010	-0.0043	2.50	PASS
		-30.00	4.0000	2.0000	-7.0000	0.0027	0.0012	-0.0040	2.50	PASS
		-20.00	1.0000	0.0000	-9.0000	0.0008	0.0005	-0.0049	2.50	PASS
		-10.00	5.0000	-3.0000	-8.0000	0.0028	-0.0019	-0.0047	2.50	PASS
		0.00	0.0000	0.0000	-9.0000	-0.0002	-0.0002	-0.0048	2.50	PASS
		10.00	5.0000	0.0000	-9.0000	0.0032	0.0001	-0.0047	2.50	PASS
		20.00	5.0000	0.0000	-10.0000	0.0028	-0.0002	-0.0054	2.50	PASS
		30.00	6.0000	1.0000	-9.0000	0.0035	0.0007	-0.0050	2.50	PASS
RMC	NV	40.00	6.0000	1.0000	-8.0000	0.0035	0.0009	-0.0044	2.50	PASS
		50.00	4.0000	0.0000	-8.0000	0.0026	0.0004	-0.0044	2.50	PASS
		-30.00	2.0000	-1.0000	-6.0000	0.0015	-0.0007	-0.0036	2.50	PASS
		-20.00	3.0000	-1.0000	-7.0000	0.0017	-0.0009	-0.0037	2.50	PASS
		-10.00	3.0000	-1.0000	-6.0000	0.0017	-0.0009	-0.0034	2.50	PASS
		0.00	3.0000	-1.0000	-6.0000	0.0017	-0.0009	-0.0036	2.50	PASS
		10.00	3.0000	-1.0000	-6.0000	0.0021	-0.0007	-0.0032	2.50	PASS
		20.00	3.0000	-1.0000	-7.0000	0.0019	-0.0009	-0.0037	2.50	PASS
RMC	NV	30.00	2.0000	-1.0000	-6.0000	0.0015	-0.0006	-0.0036	2.50	PASS
		40.00	2.0000	-1.0000	-6.0000	0.0016	-0.0010	-0.0035	2.50	PASS
		50.00	2.0000	-1.0000	-6.0000	0.0014	-0.0006	-0.0035	2.50	PASS

2. Frequency stability

2.1 Test Result

Test Band: 5 (Frequency Error VS. Voltage)						
Test Mode	Test	Test Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)	Limit	Verdict

	Temp.		LCH	MCH	HCH	LCH	MCH	HCH	(ppm)	
HSUPA	NT	LV	0.0000	0.0000	-6.0000	0.0003	-0.0004	-0.0080	2.50	PASS
		NV	0.0000	-1.0000	-6.0000	0.0009	-0.0018	-0.0072	2.50	PASS
		HV	2.0000	-2.0000	-4.0000	0.0034	-0.0029	-0.0058	2.50	PASS
HSDPA	NT	LV	0.0000	-4.0000	-5.0000	-0.0009	-0.0050	-0.0069	2.50	PASS
		NV	-1.0000	-1.0000	-5.0000	-0.0020	-0.0022	-0.0065	2.50	PASS
		HV	0.0000	-1.0000	-3.0000	-0.0005	-0.0023	-0.0046	2.50	PASS
RMC	NT	LV	2.0000	0.0000	-3.0000	0.0028	-0.0002	-0.0039	2.50	PASS
		NV	2.0000	0.0000	-3.0000	0.0030	-0.0006	-0.0038	2.50	PASS
		HV	2.0000	0.0000	-3.0000	0.0031	-0.0008	-0.0038	2.50	PASS

Test Band: 5 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NV	-30.00	0.0000	-1.0000	-5.0000	-0.0009	-0.0016	-0.0065	2.50	PASS
		-20.00	0.0000	-2.0000	-6.0000	-0.0003	-0.0028	-0.0073	2.50	PASS
		-10.00	-1.0000	-2.0000	-6.0000	-0.0012	-0.0025	-0.0080	2.50	PASS
		0.00	-3.0000	-2.0000	-7.0000	-0.0038	-0.0035	-0.0084	2.50	PASS
		10.00	-1.0000	0.0000	-5.0000	-0.0021	0.0003	-0.0070	2.50	PASS
		20.00	-2.0000	-3.0000	-4.0000	-0.0027	-0.0037	-0.0058	2.50	PASS
		30.00	0.0000	0.0000	-5.0000	0.0002	-0.0007	-0.0059	2.50	PASS
		40.00	-4.0000	-2.0000	-8.0000	-0.0049	-0.0024	-0.0100	2.50	PASS
HSDPA	NV	50.00	0.0000	-4.0000	-2.0000	0.0010	-0.0050	-0.0030	2.50	PASS
		-30.00	0.0000	-1.0000	-6.0000	-0.0011	-0.0020	-0.0075	2.50	PASS
		-20.00	0.0000	-2.0000	-7.0000	0.0008	-0.0025	-0.0083	2.50	PASS
		-10.00	0.0000	0.0000	-4.0000	0.0006	-0.0007	-0.0057	2.50	PASS
		0.00	0.0000	-1.0000	-5.0000	0.0011	-0.0016	-0.0068	2.50	PASS
		10.00	3.0000	-3.0000	-3.0000	0.0040	-0.0039	-0.0045	2.50	PASS
		20.00	1.0000	0.0000	-6.0000	0.0023	-0.0007	-0.0081	2.50	PASS
		30.00	-2.0000	-2.0000	-3.0000	-0.0036	-0.0035	-0.0040	2.50	PASS
RMC	NV	40.00	0.0000	0.0000	-6.0000	0.0004	0.0000	-0.0077	2.50	PASS
		50.00	-2.0000	-2.0000	-6.0000	-0.0030	-0.0034	-0.0073	2.50	PASS
		-30.00	2.0000	0.0000	-3.0000	0.0029	-0.0005	-0.0041	2.50	PASS
		-20.00	2.0000	0.0000	-3.0000	0.0027	-0.0004	-0.0038	2.50	PASS
		-10.00	2.0000	0.0000	-2.0000	0.0032	-0.0004	-0.0034	2.50	PASS
		0.00	2.0000	0.0000	-2.0000	0.0030	-0.0005	-0.0034	2.50	PASS
		10.00	2.0000	0.0000	-3.0000	0.0031	0.0000	-0.0040	2.50	PASS
		20.00	2.0000	0.0000	-3.0000	0.0032	-0.0003	-0.0039	2.50	PASS
30.00	2.0000	0.0000	-3.0000	0.0033	-0.0006	-0.0040	2.50	PASS		
40.00	2.0000	0.0000	-3.0000	0.0031	-0.0005	-0.0041	2.50	PASS		
50.00	2.0000	0.0000	-3.0000	0.0032	-0.0004	-0.0037	2.50	PASS		